

Attorney Docket No. 039592-002000

Application No.: 10/783,900

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Amendments to the Claims:

This listing of Claims will replace all prior versions, and listings, of claims in the application where added material is shown in underlined type, deleted material is shown in strikeout type:

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CENTRAL FAX CENTER****MAR 12 2008****Listing of Claims:**

1. - 18 (Cancelled)

19. (Currently amended) The method of capturing and destroying ~~organic hazardous agents (bio-agents)~~ and other organic hazardous agents comprising:

- a) passing air through ~~at least one~~ a first filter containing a bed of material for capturing bio-agents;
- b) circulating the filtered air to a building having a plurality of enclosed spaces during an in-service operation;
- e) detecting a release of bio-agents within the first 20 minutes of the presence of bioagents with a biosensor located within the enclosed spaces;
- d) adsorbing on a filter bed bio-agents present in the air prior to the air being passed to the enclosed space;
- c) scaling off the circulation of air from the enclosed space in which a bio-agent has been detected from the other enclosed spaces after a sufficient evacuation time has elapsed;
- f) passing steam and syn-gas through ~~the at least one~~ said first filter if the biosensor detects a release of bio-agents; and
- g) circulating the steam and syn-gas mixture from ~~at least one~~ said first filter to a steam/carbon dioxide reformer at temperatures of at least 1800°F to destroy any of the bio-agents and other organic hazardous agents that have been adsorbed on a filter bed after a release of a bio-agent has been detected during a reactivation operation; and
- h) passing the air through a second filter containing a second bed for use while the bed of said first filter is undergoing the reactivation operation of step g).

20. (Original) The method of Claim 19, wherein the material for capturing bio-agents is granular activated carbon (GAC).

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21. (Original) The method of Claim 19, further comprising passing the air through a second filter containing a second bed for use while the bed of a first filter is undergoing the reactivation operation.

22. (Cancelled).

23. (Original) The method of claim 19, further comprising passing the air through a second filter containing a second bed placed in series with a first filter containing a first bed to assure capture of substantially all of the bio-agents.

24. (Original) The method of Claim 19, wherein the steam and syn-gas mixture is superheated.

25. (Cancelled).

26. (Original) The method of Claim 20, wherein the biosensor warns occupants of the building of any release of bio-agents.

27. (Original) The method of Claim 26, wherein said filter contains a sufficient amount of GAC to prevent a breakthrough of a bio-agent spike from the GAC bed into any enclosed space during the time required by the biosensor to detect and confirm a release of bio-agents and to warn the building occupants.

28. (Original) The method of Claim 27, wherein said filter contains about 100 tons of GAC.